

	<u>mryrasalgs</u>	<u>dgvrvtm*esa</u>	<u>ltardrvgvq</u>	<u>dfvllenfts</u>
	<u>eaafienlrr</u>	<u>rfrenliyty</u>	<u>igpvlsvsnp</u>	<u>yrdlqiysrq</u>
5	<u>hmeryrgvsf</u>	<u>yevpphlfav</u>	<u>adtvyralrt</u>	<u>errdqavmis</u>
	<u>[gesgagkt]ea</u>	<u>tkrllqfyae</u>	<u>tcpapergga</u>	<u>vrdrllqsnp</u>
	<u>vleafgnakt</u>	<u>lrndnssrfg</u>	<u>kymdvqfdfk</u>	<u>gapvgghils</u>
	<u>ylleksrvvh</u>	<u>qnhgernfhv</u>	<u>fyqlleggee</u>	<u>etlrrlgler</u>
	<u>npqsylylvk</u>	<u>gqcakvssin</u>	<u>dksdwkvmrk</u>	<u>alsvidfted</u>
10	<u>evedllsiva</u>	<u>svlhlgnihf</u>	<u>aadedснаqv</u>	<u>ttenqlkylt</u>
	<u>rllgvegttl</u>	<u>realthrki</u>	<u>akgeellspl</u>	<u>nleqaayard</u>
	<u>alakavysrt</u>	<u>ftwlvrkinr</u>	<u>slaskdaesp</u>	<u>swrsttvlg</u>
	<u>ldiygfevfq</u>	<u>hnsfeqfcin</u>	<u>ycneklqqlf</u>	<u>ieltkseqe</u>
	<u>eyeaeigiawe</u>	<u>pvqyfnnkii</u>	<u>cdlveekfkg</u>	<u>iisildeec</u>
15	<u>rpgeatdlf</u>	<u>lekledtvkp</u>	<u>hphflthkla</u>	<u>dqktrksldr</u>
	<u>gefrllhyag</u>	<u>evtysvtgfl</u>	<u>dknndllfrn</u>	<u>lketmcssmn</u>
	<u>pimaqcfdk</u>	<u>elsdkk rpet</u>	<u>vatqfkmsll</u>	<u>qlveilrske</u>
	<u>payircikpn</u>	<u>dakqpgrfde</u>	<u>vlirhqvkyl</u>	<u>glmenlrvrr</u>
	<u>agfayrrkye</u>	<u>aflqrykslc</u>	<u>petwpmwagr</u>	<u>pqdgvavlv</u>
20	<u>hlgykpeeek</u>	<u>mgrtkifirf</u>	<u>pktilfateds</u>	<u>levrrqslat</u>
	<u>kiqaawrgfh</u>	<u>wrqkflrvkr</u>	<u>saiciqswwr</u>	<u>gtlgrrkaakr</u>
	<u>kwaagtirr</u>	<u>lirgfilrhs</u>	<u>pr cpenaffl</u>	<u>dhvrasfln</u>
	<u>lrrqlprnvl</u>	<u>dtswptpppa</u>	<u>lreasellrel</u>	<u>cmknmvwky</u>
	<u>crsispewkq</u>	<u>qlqqkavase</u>	<u>ifkgkkdnyp</u>	<u>qsvprlfist</u>
25	<u>rlgteeispr</u>	<u>vlqslgsepi</u>	<u>qvavpvvkyd</u>	<u>rkgykprprq</u>
	<u>llltpsavvi</u>	<u>vedakvkqri</u>	<u>dyanltgisv</u>	<u>sslsdslfvl</u>
	<u>hvqrednkqk</u>	<u>gdvvlqsdhv</u>	<u>ietlktals</u>	<u>adrvnninin</u>
	<u>qgsitfaggp</u>	<u>grdgiidfts</u>	<u>gsellitkak</u>	<u>nghlavvapr</u>
	Insr.			

FIG. 2

1 ggagcgcc gccgggtccg gcaggatgcg ctaccgggca tcgggagg  
 gcagtgcagg  
 61 gggtcagtg accatggaga ggccttgac tgcccagac cgggtagggg  
 5 tgcaggactt  
 121 tgtcctgctg gagaattca ccagtaggc tgccttcatt gagaacctcc  
 ggcggcggtt  
 181 ccgggagAAC ctattata cctacatcg tctgtccta gtctctgtca  
 atccctaccg  
 10 241 agacctacag atctacagcc ggcagcatat ggaacgctac cgtgggtgca gtttctatga  
 301 agtaccacct cattgtttg cagtggctga cactgtatac cgggcacttc gtactgagcg  
 361 tcgggaccag gcagtgatga ttctggaga gagtggggca ggcaagacag aggccaccaa  
 421 gagactgctc cagttctatg cagagacctg cccagcccct gaacgggggtg gcgcagtgcg  
 481 agaccgctg ttgcagagca acccgtgtt agaggcctt gggaatgcca agactctccg  
 15 541 caacgataac tccagccggt ttgaaagta catggatgtg cagtttgact tcaagggtgc  
 601 ccccggtgga ggccacattc tcagttacct cctggaaaag tcccgggtgg tgcacaaaaa  
 661 tcacggagag cggaactcc acgtcttta ccagctactg gaggggggag aggaggagac  
 721 tctccgtcgg ctgggcttgg aacggaaccc ccagagctac ttgtacctgg tgaagggcca  
 781 gtgtgccaag gtctctcca tcaacgaca gagtgactgg aaggttatga ggaaggcgct  
 20 841 gtccgtcatt gacttactg aggatgaagt ggaggactg ctacagcatg tggccagcgt  
 901 cctacatctg ggcaacatcc actttgctgc tgacaggagc agcaatgcc aggttactac  
 961 tgagaaccag ctcaaatatc tgaccaggct ccttggtgtg gaaggtaaa cacttaggga  
 1021 agccctgacc cacaggaaga tcatcgcaa gggggaagag ctctgagcc cactgaacct  
 1081 tgaacaggcg gcatatgcaa gggatgcgct tgccaaggct gtgtacagcc ggacattcac  
 25 1141 ctggctggtc agaaagatca ataggtcact ggcctctaag gacgctgaga gcccagctg  
 1201 gcgaagcacc acggttcttg ggctcctgga cattacggc ttgaagtgt ttacgataa  
 1261 cagcttcgag cagttctgca tcaactactg caatgagaag ctgcagcagc tcttcacga  
 1321 gctgactctc aagtcggagc aggaggaata cgaggctgag ggcacgcgt gggaacctgt  
 1381 ccagtacttc aacaacaaga tcatctgtga cctggtagag gagaagtca agggcatcat  
 30 1441 ctccatcttg gatgaagagt gcctgcgtcc tggggaggcc acggacctga ctttctgga  
 1501 gaagtggag gacactgtca agccccacc tcaattctg acgcacaagc tcgtgacca  
 1561 gaagaccagg aaatccctag accgagggga gtccgcctt ctgcattatg ctggagaggt  
 1621 gacctacagt gtgactgggt ttctggataa aaacaatgac ctctcttcc ggaacctgaa  
 1681 ggagaccatg tgcagctcaa tgaacccat catggcccag tgctttgaca agagtgcgt  
 35 1741 cagtgacaag aagcgccag agacgggtggc caccagttc aagatgagcc tctgcagct  
 1801 cgtggagatc ctgaggctca aggagcctgc ctatatccg tgcataagc caaacgacgc

1861 caagcagcga, ggctgctttg atgaggtgct catccgacat caggtgaact acctgggact  
1921 gatggag ctgcgcgtgc gcagagctgg ctttcctat cgtcgca atgaggcttt  
1981 cctgcagagg tacaagtcac tgtgccaga gacatggccc atgtgggcag gacggcccca  
2041 ggatggtgtg gccgtgttg tcagacacct cggctacaag ccagaagagt aaaaaatggg  
5 2101 caggactaag atcttcatcc gattcccca gaccttattt gccacagagg actccctgga  
2161 agtccggcgg cagagtctag ccaccaagat ccaggcggcc tggaggggct ttcattggcg  
2221 acagaaattt ctccgggtga agcgatcagc catctgtatc cagtcatggt ggctggcac  
2281 actgggccgg aggaaggcag ccaagaggaa gtgggcagcc cagaccatcc gtcgactcat  
2341 ccgtggcttc attttgcgcc attcaccggt gtgccctgag aatgccttct tcttgacca  
10 2401 cgtgcgcgcc tcatttttgc ttaacctgag gcggcaactg ccccggaatg ttctggacac  
2461 ctctggccc acacccccac ctgccctgag agaggcctca gaactgctac gggaactgtg  
2521 catgaagaac atggtgtgga agtactgccg gagcatcagc cctgagtgga agcagcagct  
2581 gcagcaaaag gcggtggcta gtgaaattt caagggaag aaggacaact acccccagag  
2641 tgtccccaga ctctcatta gcacacggct tggcacagag gagatcagcc ccagagtgtc  
15 2701 tcaatccttg ggctctgaac ccatccagta tgccgtgcc gtggtaaaat  
acgaccgtaa  
2761 gggttacaag cctcgcccc ggagctgct gtcacgccc agtctgttg tcattgtgga  
2821 ggatgctaaa gtcaagcaga gaattgatta tgccaacct accggaatct ctgtcagtag  
2881 cctgagtgat agcctattt tgcttcacgt gcagcgtgaa gacaacaagc agaagggaga  
20 2941 tgtggtgtg cagagtgatc atgtgatcga gacactaacc aagacggccc tcagtgtga  
3001 ccgcgtgaac aatatcaaca tcaaccaggg cagcataacg ttgcagggg gtccaggcag  
3061 ggacggcatc attgacttca catcgggctc agagcttctc atcaccaagg ctaagaatgg  
3121 ccacctggct gtggtggccc cacggctgaa ttctcgtga tgaaggctgc ggtggaccgc  
3181 tctgactcc tgatgctcc cttagtccc tctccctc cgacttacca aaaactcaag  
25 3241 ctccaaaca gggatccatg gacacctca aaaccacgc tgcaactcc tgccttctgc  
3301 tcgccccctc ttgaggtgat caggagccag ggagctaccc catgagtggg ccaggccggg  
3361 ccacaccaat agaaaagcag aggcctgagc aggcaggcc agcctctgc tgatgcaaaa  
3421 tatctaagac aagggaattt taactgaggt ttctctgag atttttgat gctttatagg  
3481 aaactattt ttaagaaag ccatttctc accctaaaca cactggatgt gttttccct  
30 3541 gcctgaaca gggcaaggaa tgtaactgaa agactgactg ggctgggctg gaaggctctc  
3601 ttcttgcca acccttctt attccttct ctgcctgtcc atccacctgc accttttagc  
3661 cca

FIGURE 3

A

Start site for NM1 $\beta$   
 ↓  
 M R Y R A S A L G S  
 AGCGGGGCGCCGGGTCCGGCAGG ATG CGC TAC CGG GCA TCG GCC CTG GGC AGT

Consensus M1 start site  
 ↓  
 D G V R V T M E S A L T A R  
 GAC GGG GTT CGA GTG ACC ATG GAG AGC GCC TTG ACT GCC CGA GAC CGG GTA

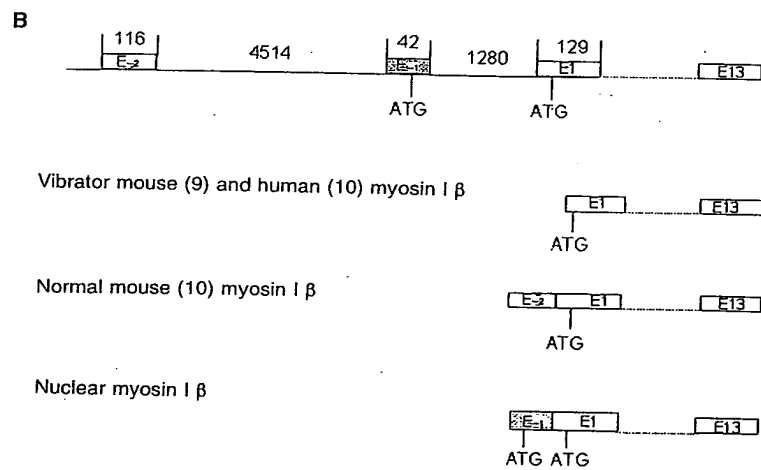


FIGURE 4

